

BRUHATH BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARINAGARA ZONE

Name of work: Detailed Estimate for Providing and laying HDPE Water line in Mutyala Nagara Block-3 in J P Park, Ward No 17.

Est. Cost in Lakhs :								49.92	
Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
1	KSRB : Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. (Page No.5, Item No. 2.5 of KPWD SR 2013-14)								
	Asphalt Road	Cum	1	2300.00	0.45	1.00	1035.00		
	Concrete Road		1	182.00	0.45	1.00	81.90		
	Asphalt Cross Cutting		312	7.50	0.45	1.00	1053.00		
	Concrete Cross Cutting		35	7.00	0.45	1.00	110.25		
	Total						2280.15	227.88	519601.00
	Basic Rate	211.00							
	Area weightage @ 8%	16.88							
	Total	227.88							
2	KSRB13-9.1 : Providing and fixing to wall, ceiling and floor High Density Polyethylene Pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter , compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing excluding cost of fittings, complete as per specifications. Specification No.KBS 13.2.1 5.2 1 13.9 (I-13.73.3 P-102 of KPWD SR 2013-14)								
	For Main Line	Rmtr	1	2482.00			2482.00		
	Total						2482.00	501.12	1243780.00
	Basic Rate	464.00							
	Area weightage @ 8%	37.12							
	Total	501.12							
3	KSRB13-9.1 : Providing and fixing to wall, ceiling and floor High Density Polyethylene Pipes 10.00 kgf/sq.cm working pressure 25mm outside diameter , compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing excluding cost of fittings, complete as per specifications. Specification No.KBS 13.2.1 5.2 1 13.9 (I-13.76 P-103 of KPWD SR 2013-14)								
	Left side	Rmtr	173.5	6.00			1041.00		
	Right side		173.5	9.00			1561.50		
	Total						2602.50	106.92	278259.00
	Basic Rate	99.00							
	Area weightage @ 8%	7.92							
	Total	106.92							

Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
4	SRB13-3.2 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 (I-13.11, P- 95 of KPWD SR 2013-14)								
	For Delivery at End	Rmtr	347.0	1.20			416.40		
	Total						416.40	197.64	82297.00
	Basic Rate	183.00							
	Area weightage @ 8%	14.64							
	Total	197.64							
5	Providing and fixing 25mm dia nipple, complete as per specifications. (Page XXXVIII of KPWD SR 2013-14)								
		Nos	1	347.00			347.00		
	Total						347.00	32.10	11139.00
	Basic Rate	32.10							
	Total	32.10							
6	Providing and fixing reducer elbow 25mm to 20mm complete as per specifications. (Page XXXVIII of KPWD SR 2013-14)								
		Nos	2	347.00			694.00		
	Total						694.00	41.00	28454.00
	Basic Rate	41.00							
	Total	41.00							
7	Providing and fixing 20mm dia nipple, complete as per specifications. (Page XXXVIII of KPWD SR 2013-14)								
		Nos	1	347.00			347.00		
	Total						347.00	21.00	7287.00
	Basic Rate	21.00							
	Total	21.00							
8	Providing and fixing HDPE 90 x 32mm saddle with brass nuts and bolts including cost of all materials, labour charges, HOM of equipments and testing excluding cost of fittings, complete as per specifications.								
		Nos	2	347.00			694.00		
	Total						694.00	350.00	242900.00
	Quotation Rate	350							
9	Providing and fixing 20mm dia union, complete as per specifications. (Page XXXVIII of KPWD SR 2013-14)								
		Nos	1	347.00			347.00		
	Total						347.00	54.45	18894.00
	Basic Rate	54.45							
	Total	54.45							

Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
10	Providing and fixing 20mm dia hose collar, complete as per specifications. (Page XXXVIII of KPWD SR 2013-14)								
		Nos	2	347.00			694.00		
	Total						694.00	26.30	18252.00
	Basic Rate	26.30							
	Total	26.30							
11	Providing and fixing 20mm elbow, complete as per specifications.(Page XXXVIII of KPWD SR 2013-14)								
		Nos	2	347.00			694.00		
	Total						694.00	17.80	12353.00
	Basic Rate	17.80							
	Total	17.80							
12	Providing and fixing 20mm to 15mm reducer elbow, complete as per specifications. (Page XXXVIII of KPWD SR 2013-14)								
		Nos	2	347.00			694.00		
	Total						694.00	22.10	15337.00
	Basic Rate	22.10							
	Total	22.10							
13	Providing and fixing 20mm NP bib cock complete as per specifications. (Page XXII SI No 617 of KPWD SR 2013-14)								
		Nos	1	347.00			347.00		
	Total						347.00	189.00	65583.00
	Basic Rate	189.00							
	Total	189.00							
14	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (I-2.11, P-6 of KPWD SR 2013-14)								
	Asphalt Road	Cum	1	2300.00	0.45	0.70	1610.00		
	Concrete Road		1	182.00	0.45	0.75	136.50		
	Asphalt Cross Cutting		312	7.50	0.45	0.70	1638.00		
	Concrete Cross Cutting		35	7.00	0.45	0.75	183.75		
	Total						3568.25	60.48	215808.00
	Basic Rate	56.00							
	Area weightage @ 8%	4.48							
	Total	60.48							

Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
15	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (I-20.18 P-170 of KPWD SR 2013-14)								
	Asphalt Road	Cum	1	2300.00	0.45	0.25	258.75		
	Asphalt Cross Cutting		312	7.50	0.45	0.25	263.25		
	Total						522.00	1121.04	585183.00
	Basic Rate	1038.00							
	Area weightage @ 8%	83.04							
	Total	1121.04							
16	KSRRB 500- Primer Coat/Tack Coat KSRRB M500-6. Providing and applying Primer Coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (I-21.6 P-175 of KPWD SR 2013-14)								
	Asphalt Road	Sqm	1	2300.00	0.45		1035.00		
	Asphalt Cross Cutting		312	7.50	0.45		1053.00		
	Total						2088.00	44.28	92457.00
	Basic Rate	41.00							
	Area weightage @ 8%	3.28							
	Total	44.28							
17	KSRRB 500-Bituminous macadam KSRRB 500-11. Providing and laying Bituminous Macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH /Chapter 5 60/70 grade bitumen (I-21.11.2, P-176 of KPWD SR 2013-14)								
	Asphalt Road	Sqm	1	2300	0.45	0.05	51.75		
	Asphalt Cross Cutting		312	7.50	0.45	0.05	52.65		
	Total						104.40	6733.80	703009.00
	Basic Rate	6235.00							
	Area weightage @ 8%	498.80							
	Total	6733.80							
18	KSRRB 500-7. Providing and applying Tack Coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (I-21.7, P-176 of KPWD SR 2013-14)								